

### **Amendments to the Claims**

1. (Original) A method of modulating the immune system of an animal by affecting the physiology of an antigen-presenting cell in said animal, comprising contacting said antigen-presenting cell with an effective amount of at least one retinoid and an effective amount of at least one cytokine, under conditions whereby the physiology of said antigen-presenting cell is affected.

2. (Original) The method of claim 1, wherein the effect upon said antigen-presenting cell is activation of said cell.

3. (Cancelled)

4. (Original) The method of claim 2, wherein said retinoid is selected from the group consisting of a pan-RXR agonist and an RAR antagonist.

5. (Currently amended) The method of claim 4, wherein said pan-RXR agonist is selected from the group consisting of SR11237, Compound V, and ~~pharmaceutically acceptable salts, esters and prodrugs thereof.~~ any pharmaceutically acceptable salt, ester and prodrug thereof.

6-9. (Cancelled)

10. (Currently Amended) The method of claim 1, wherein said cytokine is selected from the group consisting of TNF $\alpha$ , IL1- $\beta$ , and ~~active fragments, variants, analogues and derivatives thereof.~~ any active fragment, variant, analogue and derivative thereof.

11-15. (Cancelled)

16. (Currently Amended) The method of claim 1 ~~or claim 11~~, wherein said antigen-presenting cell is a dendritic cell or a Langerhans cell.

17-37. (Cancelled)